

COMPOSITIONS AND METHODS FOR THE TREATMENT AND
PREVENTION OF CARDIOVASCULAR, CARDIAC AND MYOCARDIAL
DISORDERS, AND FOR IDENTIFYING AGENTS THERAPEUTIC THEREFOR

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ABSTRACT

Methods and compositions are disclosed that are useful for the prevention and/or treatment of cardiovascular and cardiac diseases and disorders, or damage resulting from surgical or medical procedures that may cause ischemic or ischemic/reperfusion damage in humans; and cardiovascular trauma. The beneficial effects of the compositions and methods are achieved through the use of pharmaceutical compositions that include agents that interfere with the production and/or biological activities of sphingolipids and their metabolites, particularly sphingosine (SPH) and sphingosine-1-phosphate (S-1-P). Also disclosed are methods for identifying and isolating therapeutic agents.